	RE ACTIVITY TE	AW REPORT	ver. 04/98	<u> </u>	
Case #:	L-07-0367	I	DCN:		
SAT Date:	8/28/2007		SAT Chair:	L. Keifer	
Submitter:			Tracerco		
Chemical Na	me:				
Nonane, 1,	1,1,2,2,3,3,4,4,5,	5,6,6,7,7,8,8,9,9,	9-eicosafluoro	0-	
CAS RN:		i	Frade Name:		
Structure	375-96-2			FLUTEC TG n	-PPCH, Tracer
			F F F F I		
		E ************************************			
Molecular Form	ula:				
Molecular Form Molecular Wt.	ula: 488				
		WT%<500:		WT%<1000: Eq. Wt:	
Molecular Wt. MP: H2O Sol (g/L):	488 -16.00	WT%<500: BP:	<b>C</b> 9 <sup>F</sup> 20 v.p.	WT%<1000: Eq. Wt: 7.5000	
Molecular Wt.	488 -16.00	WT%<500: BP:	<b>C</b> 9 <sup>F</sup> 20	WT%<1000: Eq. Wt: 7.5000	
Molecular Wt.  MP:  H2O Sol (g/L):  Max. Prod. Volu  USE:  Tracer chemical: STN file CA: 129 P2REC. CRSS: F	488 -16.00  Ime (kg/yr):  for measuring flow of gas references found. Forrward, P2 Claim: The	WT%<500: BP: <0.000001  30 in deep oil/gas bearing getails a substitution of the substance is a substitution of the substitution of the substance is a substance is a substance is a substitution of the substance is a substance	C9F20  V.P.  OO Physical State: eological strata. itute for radionuclide	WT%<1000: Eq. Wt: 7.5000	
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08/28/07

CASE NUMBER: L07-0367

RELATED CASES:

CONCLUSIONS/DISCUSSIONS

TYPE OF CONCERN:

HEALTH

**ECOTOX** 

LEVEL OF CONCERN:

1-2

1

KEYWORDS: NEURO CARDIAC SENS (UNCERT)

SUMMARY OF ASSESSMENT

FATE: Liquid with MP = -16 °C (M)

log Kow = 8.92 (E);

S < 0.001 mg/L at 25 °C (E)

VP = 7.5 torr at 25 °C (M)

 $BP = 130 \, ^{\circ}C \, (M)$ 

H = 2.67E + 6 (E)

log Koc = 7.00 (E)

 $\log$  Fish BCF = 2.18 (E)

POTW removal (%) ≥ 99 via sorption and stripping

Time for complete ultimate aerobic biodeg > mo

Sorption to soils/sediments = v.strong

Volatilization half-life from a standard river = 2 hrs

Volatilization half-life from a standard lake = 9 da

PBT Potential: P3B1T1

\*CEB FATE: Migration to ground water = negl

HEALTH: Expect poor absorption via all routes (pchem). In the Standard Review for the analogue neurotoxicity was the only effect supported. Uncertain concern for cardiac

sensitization.

\*CEB HEALTH: Low moderate concern (Dermal, inhalation)

P2 DISCUSSION: SAT judged that replacing radioactive materials with inert materials in the work place is a good idea.

\*CCD P2 RECOGNITION: RECOMMENDED

ECOTOX: Predicted (P) and measured (M) toxicity values in mg/L

(ppm) are:

fish 96-h LC50 = \* P

daphnid 48-h LC50 = \* P

green algal 96-h EC50 = \* P

fish chronic value = \* P

daphnid ChV = \* P

algal ChV = \* P

Predictions are based on SARs for neutral organic chemicals; SAR chemical class = alkane-C9-perF; MW488; liquid with mp = -16 C (M); log Kow = 8.3 (ACD); S < 0.001 mg/L at 20 C (P); pH7; effective concentrations based on 100% active ingredients, closed vessel with no head space, and mean measured concentrations; hardness <150.0 mg/L as CaCO3; and TOC <2.0 mg/L; low concern for toxicity; assessment factor = 10.0 concern concentration = \* \*CEB ECOTOX: No releases to water

SAT Co-chair: Leonard Keifer 564-8916

PMN:	L-07-03	67	CAS RN:		
Chemical Name:			OAO NIV.	375-9	
Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9			,9,9-eicosafluoro-	Analogs:	
				Production Volume: 300	
Structure:					
		F F F F F F	F F F F F F F F F F F F F F F F F F F		
Use:					
STN file CA: 129 P2REC: CRSS: F	references found orrward. P2 Clai		/gas bearing geological si	trata. dionuclide tracers to measure the	
STN file CA: 129 P2REC: CRSS: F flow rate in oil-be	references found orrward. P2 Clai				
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STN file CA: 129 P2REC: CRSS: F flow rate in oil-be: Formula: Mol Weight: MP: H2O Sol (g/L): Endpoint (mg/L)	references found forrward. P2 Clai aring strata.  CgF20  -16.00  Est. Value	m: The LVE substa	Eq Wt:  488.07 Wt%<500:  BP: 130.00	Wt%<1000 VP:	
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STN file CA: 129 P2REC: CRSS: F flow rate in oil-be: Formula: Mol Weight: MP: H2O Sol (g/L): Endpoint (mg/L) Fish 96-h Daphnid 48-h Algal 96-h Fish ChV Daphnid ChV	references found forrward. P2 Clai aring strata.  C9F20  -16.00  Est. Value	Meas. Value SAR:	Eq Wt:  488.07 Wt%<500:  BP: 130.00	Wt%<1000  VP:  Liquid Log P: 8,3 (AC)	

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	ATTENDEES	SIGNATURE
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SAT (	CHAIR/OTHER	
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